

I CLAIM:

1.A bicycle pedal assembly comprising:

a pedal shaft;

a unitary pedal body including

5 a shaft tube sleeved rotatably on said pedal shaft,

a generally inverted U-shaped front
cleat-retaining member disposed in front of said shaft
tube and having two thick side portions and a thin
10 middle portion that is formed between said thick side
portions and that has a width smaller than that of said
thick side portions along a vertical direction so as
to define a limiting groove among said thin middle
portion and said thick side portions, said thin middle
15 portion being formed with an arcuate concave limiting
surface that has two ends, each of said thick side
portions being formed with an inclined limiting surface
that extends rearwardly and outwardly and that has a
front end, said front cleat-retaining member further
20 having two arcuate convex connecting surfaces, each of
which has two ends that are connected respectively to
a respective one of said ends of said arcuate concave
limiting surface and said front end of a respective one
of said inclined limiting surfaces, and

25 two aligned pivot arms extending rearwardly from
said shaft tube;

a rear retaining unit disposed between said pivot

arms and including a rear cleat-retaining member mounted pivotally on said pivot arms so as to define a cleat-retaining space among said front and rear cleat-retaining members and said shaft tube;

5 a unitary cleat confined within said cleat-retaining space and having a front end engaging portion that engages said front cleat-retaining member and that is retained between said front cleat-retaining member and said shaft tube, and a rear end engaging
10 portion that engages said rear cleat-retaining member and that is retained between said rear cleat-retaining member and said shaft tube, said front end engaging portion having a wide lower portion that is inserted into said limiting groove in said front cleat-retaining
15 member at a front end thereof and that has a top surface disposed above lower ends of said inclined limiting surfaces of said front cleat-retaining member so as to confine said wide lower portion of said cleat between said inclined limiting surfaces, and a narrow upper
20 portion formed on an intermediate portion of said wide lower portion and that abuts against said arcuate concave limiting surface of said front cleat-retaining member at a front end thereof; and

25 a biasing member for biasing said rear cleat-retaining member to turn frontwardly so as to clamp and fix said cleat between said rear cleat-retaining member and said pedal body, said cleat

being swingable forcibly in a horizontal plane to move said narrow upper portion of said cleat over said arcuate concave limiting surface and one of said arcuate convex connecting surfaces so as to permit removal of said cleat from said front cleat-retaining member.

2. The bicycle pedal assembly as claimed in Claim 1, wherein said shaft tube is formed integrally with two horizontal cleat-supporting plates that are disposed proximate to said pivot arms, respectively, and that support said cleat thereon.

3. The bicycle pedal assembly as claimed in Claim 1, wherein said rear cleat-retaining member includes:

a top wall having an inner side and an outer side:
an upright inner side wall with a frontwardly extending projection and an inner pivot hole;

an upright outer side wall with an outer pivot hole;
a bottom wall extending inwardly from a bottom end of said outer side wall;

a clamping portion extending frontwardly from a middle portion of said top wall and having an arcuate concave limiting surface and two rearwardly and upwardly inclined guiding surfaces that are located at two opposite sides of said limiting surface; and

a horizontal pivot extending through said inner pivot hole in said inner side wall, said outer pivot hole in said outer side wall, and said pivot arms;

said bicycle pedal assembly further including an

adjusting unit that includes:

an adjustment bolt extending through said bottom wall of said rear cleat-retaining member; and

5 an adjustment nut engaging said adjustment bolt and located between said bottom wall and said top wall;

said biasing member being configured as a coiled torsional spring that has an inner end pressing against said shaft tube, and an outer end disposed between said adjustment nut and said bottom wall of said rear
10 cleat-retaining member and pressing against said adjustment nut.

4. The bicycle pedal assembly as claimed in Claim 3, wherein said outer side wall of said rear cleat-retaining member is formed with a slide slot therethrough, said bicycle
15 pedal assembly further including:

a scale disposed on said outer side wall near said slide slot; and

an indicating element formed integrally with said adjustment nut and received slidably in said slide slot
20 so as to prevent rotation of said adjustment nut relative to said rear cleat-retaining member and so as to permit movement of said adjustment nut relative to said rear cleat-retaining member during adjustment of said adjustment bolt.

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